

Section 1 - Product and Company Information

Product Name: **Recombinant human IL-1 β**

Cat. Code: hil-1b

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Company identification:

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Section 2 - Composition/Information on Ingredient

Substance Name: Recombinant human interleukin 1 beta **EC number:** N/A
CAS #: N/A

Section 3 – Hazards Identification

Emergency Overview: OSHA Hazards: No known OSHA hazards.

HMIS Classification: Health Hazard **0**, Flammability Hazard **0**, Reactivity Hazard **0**
NFPA Rating: Health Hazard **0**, Fire **0**, Reactivity Hazard **0**

Potential Health Effects

- **Eye contact:** May cause eye irritation.
- **Skin contact:** May cause skin irritation.
- **Skin absorption:** May be harmful if absorbed through the skin.
- **Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.
- **Ingestion:** May be harmful if swallowed.

Section 4 – First Aid Measures

General advice: Consult a physician. Show this material safety data sheet to the doctor in attendance.

After skin contact: Immediately wash skin with soap and plenty of water. Consult a physician.

After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth with water provided person is conscious. Consult a physician.

After inhalation: Remove to fresh air. If not breathing give artificial respiration. Consult a physician.

After eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

Section 5 – Fire Fighting Measures

Extinguishing Media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special Firefighting Procedures: N/A

Flammability: N/A

Unusual Fire and Explosions Hazard (s): N/A

Flash point: N/A

Auto-ignition Temp: N/A

Section 6 – Accidental Release Measures

Personal precautions: Wear protective equipment. Keep unprotected persons away. Avoid dust formation.

Method for cleaning up: Absorb on sand or vermiculite and place in closed containers for disposal. Dispose contaminated material as waste according to section 13. Ventilate area and wash spill site after material clean-up is complete.

Section 7– Handling and Storage

Handling: Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

User Exposure: Avoid inhalation. Use personal protective equipment (i.e. impermeable gloves, lab coat or apron).

Storage: Keep tightly closed. Store at -20°C.

Section 8 – Exposure Controls / PPE

Engineering Measures: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Hand: Protective gloves to prevent skin contact. **Eye:** Chemical safety goggles

General Hygiene Measures: Wash hands thoroughly after handling.

Section 9 – Physical / Chemical Properties

Appearance: White color

Physical State: Lyophilized powder, solid

Section 10 – Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Materials to avoid: Strong oxidizing agents

Hazardous Decomposition Products: Nature of decomposition products are not hazardous.

Section 11 – Toxicological Information

Acute toxicity:

LD50 Oral: N/A

LD50 Intraperitoneal: N/A

LD50 Intravenous: N/A

Primary irritant effect: N/A

Sensitization: N/A

Target Organ: N/A

Additional toxicological information: N/A

Section 12 – Ecological Information

Ecotoxicity: Data not yet available.

Mobility: Data not yet available.

Biodegradation: Data not yet available.

Bioaccumulation: Data not yet available.

Section 13 – Disposal Considerations

Product: Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Must not be disposed of together with household garbage.

Contaminated Packaging: Dispose of as unused product.

Section 14 – Transport Information

DOT (US): Non-hazardous for transport.

IATA: Non-hazardous for transport.

IMDG: Non-hazardous for transport.

Section 15 – Regulatory Information

OSHA HAZARDS (US): No known OSHA Hazards

DSL Status: This product contains the following components that are not on the Canadian DSL nor NDSL lists.

Recombinant human interleukin 1 beta CAS no.: N/A

SARA 302 Component: None of the ingredients are listed.

SARA 313 Component: None of the ingredients are listed.

SARA 311/312 Hazards: None of the ingredients are listed.

U.S. State Regulations

Chemical Name	Massachusetts RTK	New Jersey RTK	Pennsylvania RTK
Recombinant human interleukin 1 beta	-	X	X

California Proposition 65: This product does not contain chemicals listed under Proposition 65.

Labeling and risk phrase according to EU Directives: The product does not need to be labeled in accordance with EC directives or respective national laws.

Section 16 – Other Information

Disclaimer: All InvivoGen products are supplied for research and laboratory use only. Not for drug, household or other uses.

The information contained in this MSDS relates only to the material(s) designated and does not relate to use(s) in combination with any other material, process(es) and/or chemical reaction(s). InvivoGen provides this information in good faith and is based on our present knowledge. This MSDS is provided without warranty of any kind. The recipient is responsible for ensuring that, where applicable, existing laws and guidelines are observed.